

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

KOHNO, Yasushi

Atty. Ref.: 2018-470

Serial No. unknown

Group:

Filed: November 27, 2001

Examiner:

For: THERMAL FLOWMETER FOR DETECTING RATE AND DIRECTION OF
FLUID FLOW

* * * * *

November 27, 2001

Assistant Commissioner for Patents
Washington, DC 20231

Sir:

PRELIMINARY AMENDMENT

In order to place the above-identified application in better condition for
examination, please amend the application as follows:

IN THE CLAIMS

Please substitute the following amended claims for corresponding claims
previously presented. A copy of the amended claims showing current revisions is
attached.

18. The spark plug in accordance with claim 1, wherein said center electrode tip has a cylindrical shape with a cross section in a range from 0.07 mm^2 to 0.79 mm^2 and said ground electrode tip has a cylindrical shape with a cross section in a range from 0.07 mm^2 to 1.13 mm^2 .

19. The spark plug in accordance with claim 1, wherein said ground electrode has a tapered shape with a cross-sectional area gradually narrowing with decreasing distance from said end surface.

20. The spark plug in accordance with claim 1, wherein said ground electrode has an outer layer made of a Ni alloy and an inner layer made of a copper or copper alloy.

21. The spark plug in accordance with claim 1, wherein said center electrode tip and said ground electrode tip are made of a Pt alloy including at least one additive selected from the group consisting of Ir, Ni, Rh, W, Pd, Ru and Os.

23. The spark plug in accordance with claim 1, wherein said center electrode tip and said ground electrode tip are made of a Ir alloy including at least one additive selected from the group consisting of Rh, Pt, Ni, W, Pd, Ru and Os.

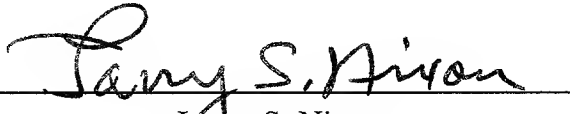
KOHNO, Yasushi
Serial No. **unknown**

REMARKS

Attached hereto is a marked-up version of the changes made to the claims by the current amendment. The attached page(s) is captioned "**Version With Markings To Show Changes Made.**"

Respectfully submitted,

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE CLAIMS

18. The spark plug in accordance with ~~any one of claims 1 to 17~~, wherein said center electrode tip has a cylindrical shape with a cross section in a range from 0.07 mm^2 to 0.79 mm^2 and said ground electrode tip has a cylindrical shape with a cross section in a range from 0.07 mm^2 to 1.13 mm^2 .

19. The spark plug in accordance with ~~any one of claims 1 to 17~~, wherein said ground electrode has a tapered shape with a cross-sectional area gradually narrowing with decreasing distance from said end surface.

20. The spark plug in accordance with ~~any one of claims 1 to 17~~, wherein said ground electrode has an outer layer made of a Ni alloy and an inner layer made of a copper or copper alloy.

21. The spark plug in accordance with ~~any one of claims 1 to 17~~, wherein said center electrode tip and said ground electrode tip are made of a Pt alloy including at least one additive selected from the group consisting of Ir, Ni, Rh, W, Pd, Ru and Os.

23. The spark plug in accordance with ~~any one of claims 1 to 17~~, wherein said center electrode tip and said ground electrode tip are made of a Ir alloy including at least one additive selected from the group consisting of Rh, Pt, Ni, W, Pd, Ru and Os.